

SARAH CHANG

US CITIZEN • MATERIALS SCIENCE ENGINEER

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ASPIRATION

An entry-level materials engineering position with a focus on process and product development to meet business objectives.

SUMMARY OF QUALIFICATIONS

Experience with failure and general material analysis of metals, plastics and ceramics as well as chemical composition analysis of plastics. Highly motivated and willing to take on challenges utilizing background in materials science and engineering. Focused, hard-working with great verbal and excellent written communication skills with language foundations in English (Native), Mandarin (Native), French (Basic) and Japanese (Basic). Strives for innovative and creative solutions and is a great team player but also strong with individual work.

EDUCATION

2007-2011 **Georgia Institute of Technology** Atlanta, GA

BS in Materials Science & Engineering

- Exp. Graduation August 2011, GPA 2.95/4.0
- Relevant Coursework: Alloys, Ceramics, Polymers, Thin Films, Environmental Degradation, Materials Laboratory, Capstone Senior Design, Chemical Process Principles, Organic and Inorganic Chemistry

EXPERIENCE

2010, May-Aug **FAI Materials Testing Laboratories** Marietta, GA

Materials Testing Technician

- Headed client laminate floor sample testing through mounting in epoxy, grinding and polishing for analysis of layers and their thicknesses with optical microscopy
- Led client project for composite material to be used in airplane interior which included tensile, durometer hardness and Charpy impact testing. Finalized project by compiling data with calculations through excel and generating a comprehensive lab results report
- Supervised and trained new employees with FT-IR spectroscopy

2008-Present **Georgia Tech Bursar's Office** Atlanta, GA

Student Assistant

- Assistance in an office environment, learning the *Oscar Banner* System and carrying out basic Bursar's and office environment tasks such as paper filing and mailing payment notices
- Increased efficiency and organization of office through prompt and accurate updates and routine check-ups of past-due delinquencies

2008-2010 **WREK 91.1 FM** Atlanta, GA

Radio Deejay

- Deejay for weekly live broadcastings of specified blocks of music including rock, blues, jazz, hip-hop and classical throughout the semester

SKILLS

- Computer/Software: *Microsoft Office Suite, Adobe Photoshop, Macromedia Flash MX, Maya, MathWorks Matlab*
- Technical: *Perkins-Elmer FT-IR, INSTRON Testing Machine, Brookfield Viscometer, Carver Hydraulic Machine, Durometer Hardness (Shore D), Differential Scanning Calorimetry, Thermal Gravimetric Analysis*
- Linguistic: English (Native), Mandarin Chinese (Native/Fluent), French (Basic), Japanese (Basic)

ACTIVITIES

- 2011 Annual Global Leadership Conference at Georgia Tech
- 2009 & 2010 ITASA East-Coast Cultural Conference at Duke University & MIT
- TASA (Taiwanese-American Student Association) Sponsorship Chair 2009-2010
- *High Museum* Volunteering for Terracotta Army Exhibition 2008-2009